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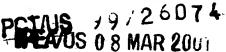
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## What is claimed is:

 A method for controlling root worm infestation, comprising:

applying an organic component selected from the group consisting of spent grain, distiller's grain, corn cob grits and microorganisms capable of producing effective amounts of CO<sub>2</sub> at about the time of planting and/or cultivation of a crop, and applying an effective amount of a thiamethoxam insecticide in conjunction with said organic component, said component applied by a method selected from the group consisting of plowing said compound into a field onto which a crop is to be grown and applying said compound between the rows of crop plants, whereby said compound emits effective levels of CO, to attract corn root larvae.

- 2. A method as set forth in Claim 1, wherein the step of applying comprising plowing said organic component into the soil of a field such that said components are administered in strips between or adjacent to rows of corn.
- 3. A method for controlling root worm infestation, comprising:

applying an organic component selected from the group consisting of spent grain, distiller's grain, corn cob grits and microorganisms capable of producing effective amounts of CO<sub>2</sub> at about the time of planting and/or cultivation of a crop, and applying an effective amount of a neonicotinoid class of insecticide in conjunction with said organic component, said component applied by a method selected from the group consisting of plowing said compound into a field onto which a crop is to be grown and applying said compound between the rows of crop plants, whereby said compound emits effective levels of CO<sub>2</sub> to attract corn root larvae.

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- The method as set forth in Claim 3, wherein said step of applying is conducted during the planting and cultivation periods of a corn crop.
- A method for attracting corn root worm larvae, comprising placing a source of CO2 emitting agent, in 40 combination with a thiamethoxam insecticide that does not repel corn root worm lagvae, an effective distance from the roots of plants such that larvae/insects are attracted to said agent without causing damage to said 45 plant roots.
  - 6. A method for attracting corn root worms, comprising placing a source of CO2 emitting agent, in combination with a neonicoginoid insecticide that does not repel corn root worm larvae, an effective distance from the roots of plants such that larvae/insects are attracted to said agent without causing damage to said plant roots.
  - A formulation for attracting corn root worms, 7. comprising a thiamethoxam insecticide that does not repel corn root worms and an effective amount of a component selected from the group of spent grain, distillers grain, corn cob grits, germinated corn, clean cracked corn, malted barley, malted grain, corn gluten feed, fungal organisms, bacteria, algae, microorganisms, inorganic carbonates, calcium carbonate, bicarbonate, alkyl carbonate, urea-based components, and mixtures thereof.
  - A formulation for attracting corn root worms, comprising a neonicotinoid insecticade that does not repel corn root worms and an effective amount of a component selected from the group of spent grain, distillers grain, corn cob grits, germinated corn, clean cracked corn, malted barley, malted graun, corn gluten feed, fungal organisms, bacteria, algae, microorganisms, inorganic carbonates, calcium carbonate, bicarbonate,

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- alkyl carbonate, urea-based components, and mixtures thereof.
  - 9. A method for controlling root worm infestation, comprising:

applying an organic component about the time of planting and/or cultivation of a crop, said organic component capable of producing effective amounts of CO2;

applying, in conjunction with said organic component, an effective amount of a compound selected from the group consisting of:

abamectin, AC 308 630, acephate, acrinathrin, alanycarb, aldicarb, alphamethrin, amitraz, avermectin, AZ 60541, azadirachtin, azimphos A, azimphos M, acocyclotin;

Bacillus thuringiensis, bendiocarb, benfuracarb, bensultap, betacyfluthrin, bifenthrin, BPMC, brofenprox, bromophos A, bufenearb, burofezin, butocarboxin, butylpyridaben;

cadusafos, carbaryl, carbofuran, carbophenthion, carbosulfan, cartap, CGA 157 419, CGA 184699, chloethocarb, chlorethoxyfos, chlorfenvinphos, chlorfluazuron, chlormephos, chlorpyrifos, chlorpyrifos M, cis-Resmethrin, clocythrin, clofentezine, cyanophos, cycloprothrin, cyfluthrin, cyhalothrin, cyhexatin, cypermethrin, cyromazine;

deltamethrin, demeton M, demeton S, demeton-S-methyl, diafenthiuron, diazinon, dichlofenthion, dichlorvos, dicliphos, dicrotophos, diethion, diflubenzuron, dimethoate;

dimethylvinphos, dioxathion, disulfoton; edifenphos, emamectin, esfenvalerate, ethiofencarb, ethion, ethofenprox, ethoprophos, etrimphos;

fenamiphos, fenazaquin, fenbutatin oxide, fenitrothion, fenobucarb, fenothiocarb, fenoxycarb,

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fenpropathrin, fenpyrad, fenpyroximate, fenthion, fenvalerate, fipronil, fluazinam, flucycloxuron, flucythrinate, flufenoxuron, flufenprox, fluvalinate, fonophos, formothion, fosthiazate, fubfenprox, furathiocarb;

HCH, heptenaphos, hexaflumuron, hexythiazox;
Imidacloprid, ipobenfos, isazophos, isofenphos,
isoprocarb, isoxathion, ivermectin, lambda-cyhalothrin,
lufenuron;

malathion, mecarbam, mervinphos, mesulfenphos, metaldehyde, methacrifos, methamidophos, methidathion, methiocarb, methomyl, metolcarb, milbemectin, monocrotophos, moxidectin;

naled, NC 184, NI 25, nitenpyram;
omethoat, oxamyl, oxydemethon M, oxydeprofos;
parathion A, parathion M, permethrin,
phenthoate, phorate, phosalone, phosmet, phosphamidon,
phoxim, pirimicarb, pirimiphos M, pirimiphos A,
profenofos, promecarb, propaphos, propoxur, prothiofos,
prothoate, pymetrozin, pyrachlophos, pyridaphenthion,
pyresmethrin, pyrethrum, pyridaben, pyrimidifen,
pyriproxifen, quinalphos;

RH 5992;

salithion, sebufos, silafluofen, sulfotep, sulprofos, tebufenozia, tebufenpyrad, tebupirimiphos, teflubenzuron, tefluthrin, temephos, terbam, terbufos, tetrachlorvinphos, thiafenox, thiodicarb, thiofanox, thiomethon, thionazin, thuringlensin, tralomethrin, triarathen, triazophos, triazuron, trichlorfon, triflumuron, trimethacarb, transfluthrin;

vamidothion, XMC, xylylcarb, zetamethrin.

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